

Claim 1 (Currently Amended): A user interface for monitoring and controlling a plurality of aircraft cabin systems, comprising:

a liquid crystal display screen having a display surface configured to provide an input to said user interface when touched by a user of the user interface;

a general display area provided on the display surface and displaying a main menu that includes a first system image showing status information for a first system of the plurality of aircraft cabin systems, and a second system image showing status information for a second system of the plurality of aircraft cabin systems, wherein at least ~~one of the first and second system images~~ image is a spatial map of the aircraft cabin showing status information for the first system at different locations within the aircraft cabin;

a plurality of touch sensitive input keys provided on the display surface, each key labeled with a symbol identifying a respective one of said plurality of aircraft cabin systems including the first and second aircraft cabin systems;

a first system menu associated with the first system of said plurality of aircraft cabin systems, the first system menu being displayable on said display screen as a first system graphical menu when the touch sensitive key identifying the first system is activated by the user and when the first system image spatial map is touched by the user, said first system graphical menu including status information and operating functions of said first system and at least one input area configured to provide at least one of selection and control of said operating functions of said first system when touched by said user; and

a second system menu associated with the second system of said plurality of aircraft cabin systems, the second system menu being displayable on said display screen as a second system graphical menu when the touch sensitive key identifying the second system is activated by the user and when the second system image is touched by the user, said second system graphical menu including status information and operating functions of said second

system and at least one input area configured to provide at least one of selection and control of said operating functions of said second system when touched by said user.

Claim 2 (Original): The user interface of claim 1, wherein said plurality of aircraft cabin systems comprise at least two of: a cabin information system, a cabin audio system, a cabin video system, a cabin lighting system, a cabin air conditioning system, a cabin smoke detector system, an aircraft door monitoring system, and a water supply and wastewater system.

Claim 3 (Previously Presented): The user interface of claim 1, wherein said main menu is a status menu including three or more system images each showing status information for a respective one of said cabin systems.

Claim 4 (Previously Presented): The user interface of claim 1, further comprising a programming menu displayed on said display screen, whereby said programming menu includes display indicators and input buttons to allow the user to program functions of each of said plurality of cabin systems.

Claim 5 (Original): The user interface of claim 1, further comprising a header line displayed on said display screen and configured to display an identification of a respective active one of said graphical menus that is being displayed on said display screen.

Claim 6 (Previously Presented): The user interface of claim 1, further comprising a main menu touch sensitive input key displayed on said display screen, wherein said plurality of touch sensitive input keys and said main menu touch sensitive input key are

simultaneously displayed on said display screen when each of the first and second system menus is displayed on the display screen.

Claim 7 (Currently Amended): A system for monitoring and controlling a plurality of aircraft cabin systems, comprising:

a liquid crystal display screen having a display surface configured to provide an input to said system when touched by a user of the user interface;

a general display area provided on the display surface and displaying a main menu that includes a first system image showing status information for a first system of the plurality of aircraft cabin systems, and a second system image showing status information for a second system of the plurality of aircraft cabin systems, wherein at least ~~one of the first and second system images~~ image is a spatial map of the aircraft cabin showing status information for the first system at different locations within the aircraft cabin;

a plurality of touch sensitive input keys provided on the display surface, each key labeled with a symbol identifying a respective one of said plurality of aircraft cabin systems including the first and second aircraft cabin systems;

a computer including software to be executed on the computer, wherein the computer is configured to:

display on said display screen a first system graphical menu associated with the first system of said plurality of aircraft cabin systems when the touch sensitive key identifying the first system is activated by the user and when the first system image spatial map is touched by the user, said first system graphical menu including status information and operating functions of said first system and at least one input area,

provide at least one of selection and control of said operating functions of said first system when the input area of the first system graphical menu is touched by said user,

display on said display screen a second system graphical menu associated with the second system of said plurality of aircraft cabin systems when the touch sensitive key identifying the second system is activated by the user and when the second system image is touched by the user, said second system graphical menu including status information and operating functions of said second system and at least one input area, and

provide at least one of selection and control of said operating functions of said second system when the input area of the second system graphical menu is touched by said user.

Claim 8 (Original): The system of claim 7, wherein said plurality of aircraft cabin systems comprise at least two of: a cabin information system, a cabin audio system, a cabin video system, a cabin lighting system, a cabin air conditioning system, a cabin smoke detector system, an aircraft door monitoring system, and a water supply and wastewater system.

Claim 9 (Previously Presented): The system of claim 7, wherein said computer is configured to display said main menu as a status menu on said display screen when a status menu request is input to an area of said display screen surface, said status menu including three or more system images each showing status information for a respective one of said cabin systems.

Claim 10 (Previously Presented): The system of claim 7, wherein said computer is configured to display a programming menu on said display screen when a programming menu request is input to an area of said display screen surface, said programming menu including display indicators and input areas to allow the user to program functions of each of said plurality of said cabin systems.

Claim 11 (Original): The system of claim 7, wherein said computer is configured to display a header line on said display screen, which identifies a respective active one of said menus that is being displayed on said display screen.

Claim 12 (Currently Amended): A system for monitoring and controlling a plurality of aircraft cabin systems, comprising:

means for displaying simultaneously a first system image showing status information for a first system of the plurality of aircraft cabin systems, a second system image showing status information for a second system of the said plurality of aircraft cabin systems, and a plurality of input keys each labeled with a symbol identifying a respective one of said plurality of aircraft cabin systems, wherein at least ~~one of the first and second system images~~ image is a spatial map of the aircraft cabin showing status information for the first system at different locations within the aircraft cabin;

means for causing said means for displaying to display a first system graphical menu associated with a first system of said plurality of aircraft cabin systems in response to a user touching the first system image spatial map and in response to the user touching the input key identifying the first system, said first system graphical menu including status information and operating functions of said first system and at least one input area providing at least one of selection and control of said operating functions of said first system when the input area of the first system graphical menu is touched by said user; and

means for causing said means for displaying to display a second system graphical menu associated with a second system of said plurality of aircraft cabin systems in response to a user touching the second system image and in response to the user touching the input key identifying the second system, said second system graphical menu including status

information and operating functions of said second system and at least one input area providing at least one of selection and control of said operating functions of said second system when the input area of the second system graphical menu is touched by said user.

Claim 13 (Original): The system of claim 12, wherein said plurality of aircraft cabin systems comprise at least two of: a cabin information system, a cabin audio system, a cabin video system, a cabin lighting system, a cabin air conditioning system, a cabin smoke detector system, an aircraft door monitoring system, and a water supply and wastewater system.

Claim 14 (Previously Presented): The system of claim 12, further comprising means for causing said means for displaying to display a status menu when a status menu request is input to said system said status menu displaying three or more system images each showing status information for a respective one of said cabin systems.

Claim 15 (Previously Presented): The system of claim 12, further comprising means for causing said means for displaying to display a programming menu when a programming menu request is input to said system, said programming menu including display indicators and input areas to allow the user to program functions of each of said plurality of cabin systems.

Claim 16 (Original): The system of claim 12, further comprising means for causing said means for displaying to display a header line that identifies a respective active one of said graphical menus that is being displayed on said means for displaying.

Claim 17 (Currently Amended): A computer readable medium containing program instructions for execution on a computer controlled system for monitoring and controlling a plurality of aircraft cabin systems, which when executed by the system, cause the system to perform the following:

display a main menu simultaneously including;

a first system image showing status information for a first system of the plurality of aircraft cabin systems, and a second system image showing status information for a second system of the plurality of aircraft cabin systems, wherein at least ~~one of the first and second~~ system ~~images~~ image is a spatial map of the aircraft cabin showing status information for the first system at different locations within the aircraft cabin;

display a first system graphical menu associated with the first system of said plurality of aircraft cabin systems in response to user input to a touch sensitive key identifying the first system and in response to the user touching the first system image spatial map, said first system graphical menu including status information and operating functions of said first system, and at least one touch sensitive input area;

perform at least one of selection and control of said operating functions of said first system in response to user activation of said touch sensitive area of the first system graphical menu;

display a second system graphical menu associated with the second system of said plurality of aircraft cabin systems in response to user input to a touch sensitive key identifying the second system and in response to the user touching the second system image, said second system, graphical menu including status information and operating functions of said second system and at least one touch sensitive input area; and

perform at least one of selection and control of said operating functions of said second system in response to user activation of said touch sensitive area of the second system graphical menu.

Claim 18 (Original): The computer readable medium of claim 17, wherein said program instructions further cause the system to display a header line on the display, said header line displaying an identification of a respective active one of said graphical menus that is being displayed.

Claim 19 (Previously Presented): The computer readable medium of claim 17, wherein said program instructions further cause the system to display a status menu on said display in response to a user input to the system, said status menu displaying three or more system images each showing status information relating to a respective one of said cabin systems.

Claim 20 (Previously Presented): The computer readable medium of claim 17, wherein said program instructions further cause the system to display a programming menu on said display screen in response to a user input to said system, whereby said programming menu includes display indicators and input buttons to allow the user to program functions of said plurality of cabin systems.

Claim 21 (New): The user interface of claim 1, wherein the entire user interface is embodied as an adaptable touch sensitive screen without any hard wired input keys.

Claim 22 (New): The user interface of claim 1, wherein:



the second system image is another spatial map of the aircraft cabin showing status information for the second system at different locations within the aircraft cabin, and

the second system menu being displayable on said display screen as a second system graphical menu when the touch sensitive key identifying the second system is activated by the user and when the second system image another spatial map is touched by there user.